

TECHNICAL DATA SHEET

LEAK STOP

Surface applied waterproofer for mortar and concrete

DESCRIPTION

Rockbond Leak Stop (RB 7.06) is a pre-batched ready to use cement-based sealer for permanent waterproofing concrete structures or cementitious substrates. It Contains crystal growth technology, with non-soluble crystals forming in the capillaries of the substrate as Rockbond Leak Stop (RB 7.06) reacts chemically within the free lime in the concrete, effectively creating a barrier that water cannot penetrate. When the powder is mixed with water, a slurry is produced for use on concrete, concrete masonry and mortar surfaces when general waterproofing is required. The material is supplied in 25 kg durable multi-wall bags, and in 4 kg plastic buckets, with a shelf life of 1 year minimum.



SPECIAL PROPERTIES

- Ready to use.
- By becoming an integral part of the concrete surface to which it is applied it provides full protection.
- Waterproofs concrete structures to stop ingress of water from outside of the structure.
- Prevents leakage of water out of a water tank.
- Because of crystals forming in the capillaries it cannot become drummy, tear away from the surface or puncture.
- The leak sealing and waterproofing properties apply both with and/or against hydrostatic pressure.

USES

- The waterproofing of concrete structures and the stopping of leaks.
- Primarily used as a slurry to seal concrete or blockwork structures which are weeping or leaking water due to either their age or ground water pressure.
- Typical applications are leaky basements, sewage tanks, old plaster concrete tanks, block walls, inspection pits.
- Secondary use is as a render to provide effective protection against both negative and positive water pressure, in underground applications. A render coat can also be used to protect a slurry coat against abrasion.
- A third application method is sprinkling the dry powder onto the surface of construction joints between existing and new concrete for sealing against water pressure and preventing the ingress of ground water. A typical application of this is between blinding concrete and the concrete slab.

MIXING INSTRUCTIONS

1. SLURRY COAT (less than 1mm thick)

Mix 1 parts of Rockbond Leak Stop (RB 7.06) to 1-part water to a brushable consistency.

Mix no more than can be used in 20 minutes. (Add or reduce water to reach consistency desired)

2. RENDER COAT (5-10 mm thick)

Mix 3 - 4-part Leak Stop (RB 7.06) to 1.0-1.5 parts of water to a trowelable consistency. Mix no more than can be used in 20 minutes.

3. Once mixed Leak Stop (RB 7.06) may appear to stiffen after 5-10 minutes. It can be reconstituted by further mixing. DO NOT add additional water after the initial mixing.

APPLICATION PROCEDURE

Brush and clean down the surface removing any dust oil or grease to ensure adequate bond.

Repair any cracks or holes greater than 1 mm in width with a mixture of 3 - 4 parts ROCKBOND LEAK STOP

(RB 7.06): 1-part water. These cracks may have to be chased out first to provide a good key and must be static (not subject to movement). Paint a thin slurry coat into crack before applying render.

Ensure the working surface is damp, but any free moisture should be removed.

Leak Stop (RB 7.06) may be applied as soon as the formwork is removed. Generally, the older the concrete, the more likely it is that a render coat will have to be used to seal the structure effectively.

1. **SLURRY COAT** (less than 1 mm thick): Rockbond Leak Stop (RB 7.06) slurry mixes are applied by spray or brush. Apply in two coats each of 0.5 mm -1.0 mm thickness, at right angles to each other. The second coat should be applied BEFORE the initial coat has dried. Make the first coat thinner to encourage penetrating into the porosity and any hairline cracks etc.

2. **Render Coat** (4-5 mm thick): A render coat shall always be preceded by a slurry coat. For render coat trowels the mix onto the surface of the cured slurry coat.

For old concrete, brickwork or concrete blocks replace one coat of slurry with a 4-5 mm render coat of ROCKBOND LEAK STOP (RB 7.06).

3. **DRY SHAKE**: Sprinkle Leak Stop (RB 7.06) onto horizontal construction joints prior to pouring further concrete.

IMPORTANT NOTES

Rockbond Leak Stop (RB 7.06) cannot be painted over unless protected by a sand/cement render. Only emulsion paints can be used. ROCKBOND LEAK STOP (RB 7.06) must not dry out rapidly and should be kept damp for 3-4 days.

Clean all equipment with water immediately after use. **NOTE:** If used inside water tanks, they should be flushed thoroughly with clean water, and if possible allowed to stand to weather for a week before re-filling with drinking water.

HEALTH AND SAFETY

Rockbond Special Concrete Products are generally quite harmless, provided normal precautions are taken when handling chemicals.

Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. Wear protective clothing, gloves, goggles etc. In the event of contamination wash thoroughly with water and obtain medical attention.

TECHNICAL DATA

COLOUR: Grey

FLASH POINT: Non-Flammable

TOXICITY: Non-Toxic

CONSISTENCY: Slurry or good mortar consistency

CONSISTENCY LIFE: 20 minutes maximum

COVERAGE: Slurry: 0.5-0.75 kg per m² per coat
Render: 8.5-10.0 kg per m²

TECHNICAL INFORMATION

Where waterproofing is critical, talk to Rockbonds

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